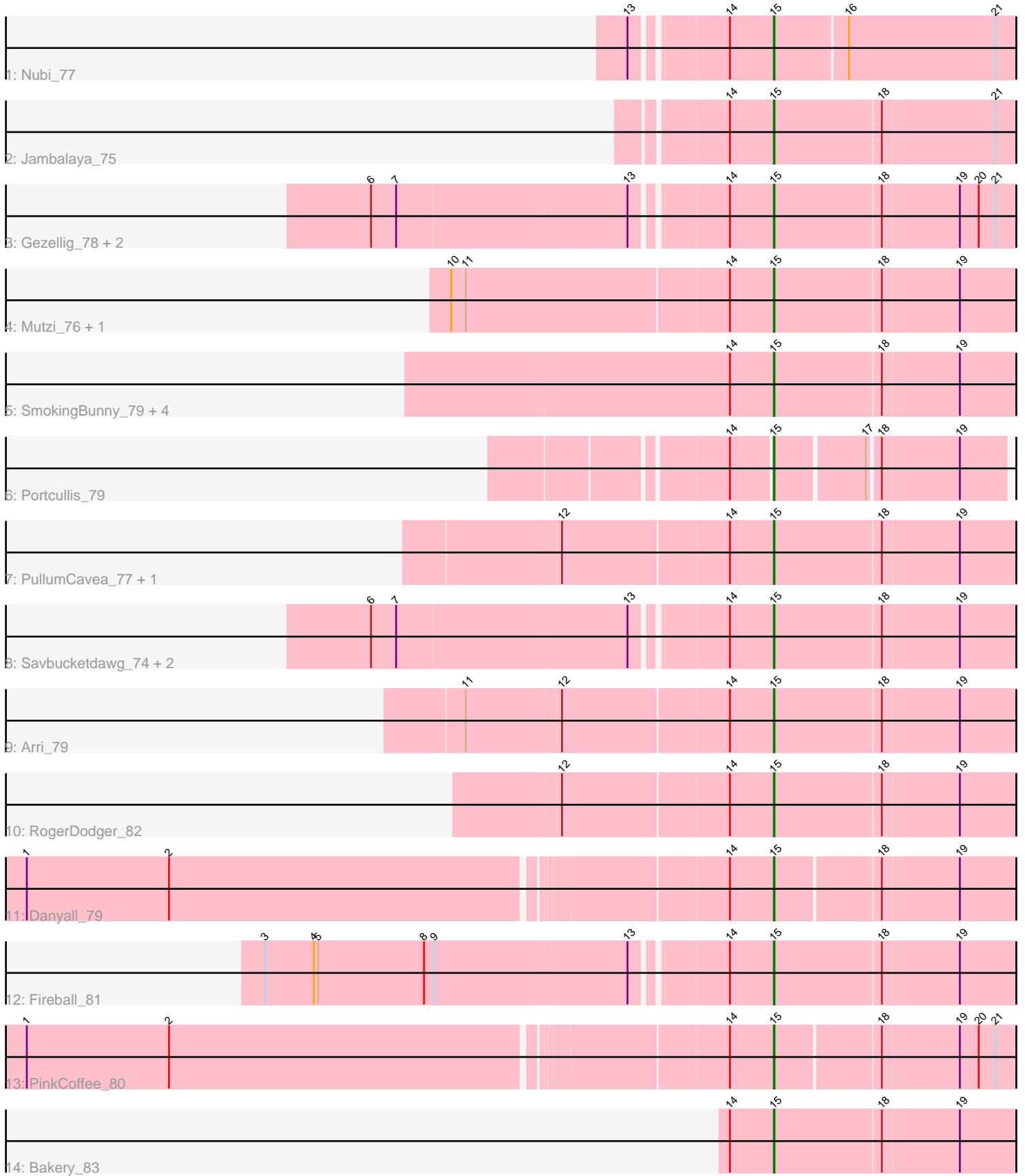


Pham 171732



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 171732 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171732 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Nubi_77
- Track 2 : Jambalaya_75
- Track 3 : Gezellig_78, Valary_79, KimmyK_78
- Track 4 : Mutzi_76, YungMoney_77
- Track 5 : SmokingBunny_79, Evamon_78, Salvador_78, Togo_78, Twister6_79
- Track 6 : Portcullis_79
- Track 7 : PullumCavea_77, Phlop_76
- Track 8 : Savbucketdawg_74, Halo3_76, Wizard_75
- Track 9 : Arri_79
- Track 10 : RogerDodger_82
- Track 11 : Danyall_79
- Track 12 : Fireball_81
- Track 13 : PinkCoffee_80
- Track 14 : Bakery_83

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 15, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_79, Bakery_83, Danyall_79, Evamon_78, Fireball_81, Gezellig_78, Halo3_76, Jambalaya_75, KimmyK_78, Mutzi_76, Nubi_77, Phlop_76, PinkCoffee_80, Portcullis_79, PullumCavea_77, RogerDodger_82, Salvador_78, Savbucketdawg_74, SmokingBunny_79, Togo_78, Twister6_79, Valary_79, Wizard_75, YungMoney_77,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 15:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_79 (DC1), Bakery_83 (DC1), Danyall_79 (DC1), Evamon_78 (DC1), Fireball_81 (DC1), Gezellig_78 (DC1), Halo3_76 (DC1), Jambalaya_75 (DC1), KimmyK_78 (DC1), Mutzi_76 (DC1), Nubi_77 (DC1), Phlop_76 (DC1), PinkCoffee_80 (DC1), Portcullis_79 (DC1), PullumCavea_77 (DC1), RogerDodger_82 (DC1), Salvador_78 (DC1), Savbucketdawg_74 (DC1), SmokingBunny_79 (DC1), Togo_78 (DC1), Twister6_79 (DC1), Valary_79 (DC1), Wizard_75 (DC1), YungMoney_77 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 15 was manually annotated 23 times for cluster DC1.

Gene Information:

Gene: Arri_79 Start: 52547, Stop: 52924, Start Num: 15

Candidate Starts for Arri_79:

(11, 52118), (12, 52253), (14, 52484), (Start: 15 @52547 has 23 MA's), (18, 52697), (19, 52805),

Gene: Bakery_83 Start: 54647, Stop: 55024, Start Num: 15

Candidate Starts for Bakery_83:

(14, 54584), (Start: 15 @54647 has 23 MA's), (18, 54797), (19, 54905),

Gene: Danyall_79 Start: 52090, Stop: 52458, Start Num: 15

Candidate Starts for Danyall_79:

(1, 51058), (2, 51262), (14, 52027), (Start: 15 @52090 has 23 MA's), (18, 52231), (19, 52339),

Gene: Evamon_78 Start: 52312, Stop: 52689, Start Num: 15

Candidate Starts for Evamon_78:

(14, 52249), (Start: 15 @52312 has 23 MA's), (18, 52462), (19, 52570),

Gene: Fireball_81 Start: 52875, Stop: 53255, Start Num: 15

Candidate Starts for Fireball_81:

(3, 52179), (4, 52248), (5, 52254), (8, 52404), (9, 52419), (13, 52689), (14, 52812), (Start: 15 @52875 has 23 MA's), (18, 53025), (19, 53133),

Gene: Gezellig_78 Start: 52140, Stop: 52517, Start Num: 15

Candidate Starts for Gezellig_78:

(6, 51597), (7, 51633), (13, 51954), (14, 52077), (Start: 15 @52140 has 23 MA's), (18, 52290), (19, 52398), (20, 52425), (21, 52449),

Gene: Halo3_76 Start: 52725, Stop: 53102, Start Num: 15

Candidate Starts for Halo3_76:

(6, 52182), (7, 52218), (13, 52539), (14, 52662), (Start: 15 @52725 has 23 MA's), (18, 52875), (19, 52983),

Gene: Jambalaya_75 Start: 51368, Stop: 51745, Start Num: 15
Candidate Starts for Jambalaya_75:
(14, 51305), (Start: 15 @51368 has 23 MA's), (18, 51518), (21, 51677),

Gene: KimmyK_78 Start: 52587, Stop: 52964, Start Num: 15
Candidate Starts for KimmyK_78:
(6, 52044), (7, 52080), (13, 52401), (14, 52524), (Start: 15 @52587 has 23 MA's), (18, 52737), (19, 52845), (20, 52872), (21, 52896),

Gene: Mutzi_76 Start: 52845, Stop: 53222, Start Num: 15
Candidate Starts for Mutzi_76:
(10, 52392), (11, 52413), (14, 52782), (Start: 15 @52845 has 23 MA's), (18, 52995), (19, 53103),

Gene: Nubi_77 Start: 51637, Stop: 52017, Start Num: 15
Candidate Starts for Nubi_77:
(13, 51451), (14, 51574), (Start: 15 @51637 has 23 MA's), (16, 51736), (21, 51946),

Gene: Phlop_76 Start: 52190, Stop: 52567, Start Num: 15
Candidate Starts for Phlop_76:
(12, 51896), (14, 52127), (Start: 15 @52190 has 23 MA's), (18, 52340), (19, 52448),

Gene: PinkCoffee_80 Start: 52131, Stop: 52499, Start Num: 15
Candidate Starts for PinkCoffee_80:
(1, 51099), (2, 51303), (14, 52068), (Start: 15 @52131 has 23 MA's), (18, 52272), (19, 52380), (20, 52407), (21, 52431),

Gene: Portcullis_79 Start: 52265, Stop: 52576, Start Num: 15
Candidate Starts for Portcullis_79:
(14, 52208), (Start: 15 @52265 has 23 MA's), (17, 52388), (18, 52403), (19, 52511),

Gene: PullumCavea_77 Start: 52367, Stop: 52744, Start Num: 15
Candidate Starts for PullumCavea_77:
(12, 52073), (14, 52304), (Start: 15 @52367 has 23 MA's), (18, 52517), (19, 52625),

Gene: RogerDodger_82 Start: 52955, Stop: 53332, Start Num: 15
Candidate Starts for RogerDodger_82:
(12, 52661), (14, 52892), (Start: 15 @52955 has 23 MA's), (18, 53105), (19, 53213),

Gene: Salvador_78 Start: 52310, Stop: 52687, Start Num: 15
Candidate Starts for Salvador_78:
(14, 52247), (Start: 15 @52310 has 23 MA's), (18, 52460), (19, 52568),

Gene: Savbucketdawg_74 Start: 51702, Stop: 52079, Start Num: 15
Candidate Starts for Savbucketdawg_74:
(6, 51159), (7, 51195), (13, 51516), (14, 51639), (Start: 15 @51702 has 23 MA's), (18, 51852), (19, 51960),

Gene: SmokingBunny_79 Start: 53306, Stop: 53683, Start Num: 15
Candidate Starts for SmokingBunny_79:
(14, 53243), (Start: 15 @53306 has 23 MA's), (18, 53456), (19, 53564),

Gene: Togo_78 Start: 53306, Stop: 53683, Start Num: 15

Candidate Starts for Togo_78:

(14, 53243), (Start: 15 @53306 has 23 MA's), (18, 53456), (19, 53564),

Gene: Twister6_79 Start: 51655, Stop: 52032, Start Num: 15

Candidate Starts for Twister6_79:

(14, 51592), (Start: 15 @51655 has 23 MA's), (18, 51805), (19, 51913),

Gene: Valary_79 Start: 52962, Stop: 53339, Start Num: 15

Candidate Starts for Valary_79:

(6, 52419), (7, 52455), (13, 52776), (14, 52899), (Start: 15 @52962 has 23 MA's), (18, 53112), (19, 53220), (20, 53247), (21, 53271),

Gene: Wizard_75 Start: 52140, Stop: 52517, Start Num: 15

Candidate Starts for Wizard_75:

(6, 51597), (7, 51633), (13, 51954), (14, 52077), (Start: 15 @52140 has 23 MA's), (18, 52290), (19, 52398),

Gene: YungMoney_77 Start: 53685, Stop: 54062, Start Num: 15

Candidate Starts for YungMoney_77:

(10, 53232), (11, 53253), (14, 53622), (Start: 15 @53685 has 23 MA's), (18, 53835), (19, 53943),